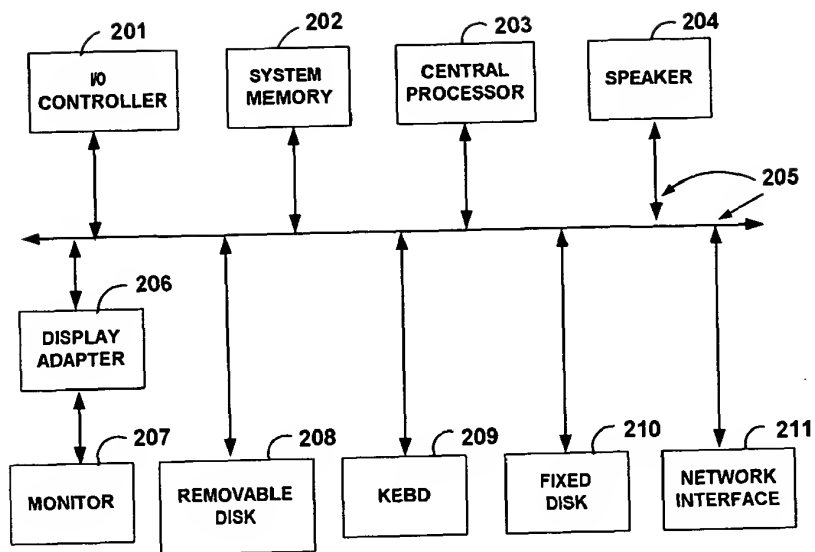


**Figure 1**



**Figure 2**

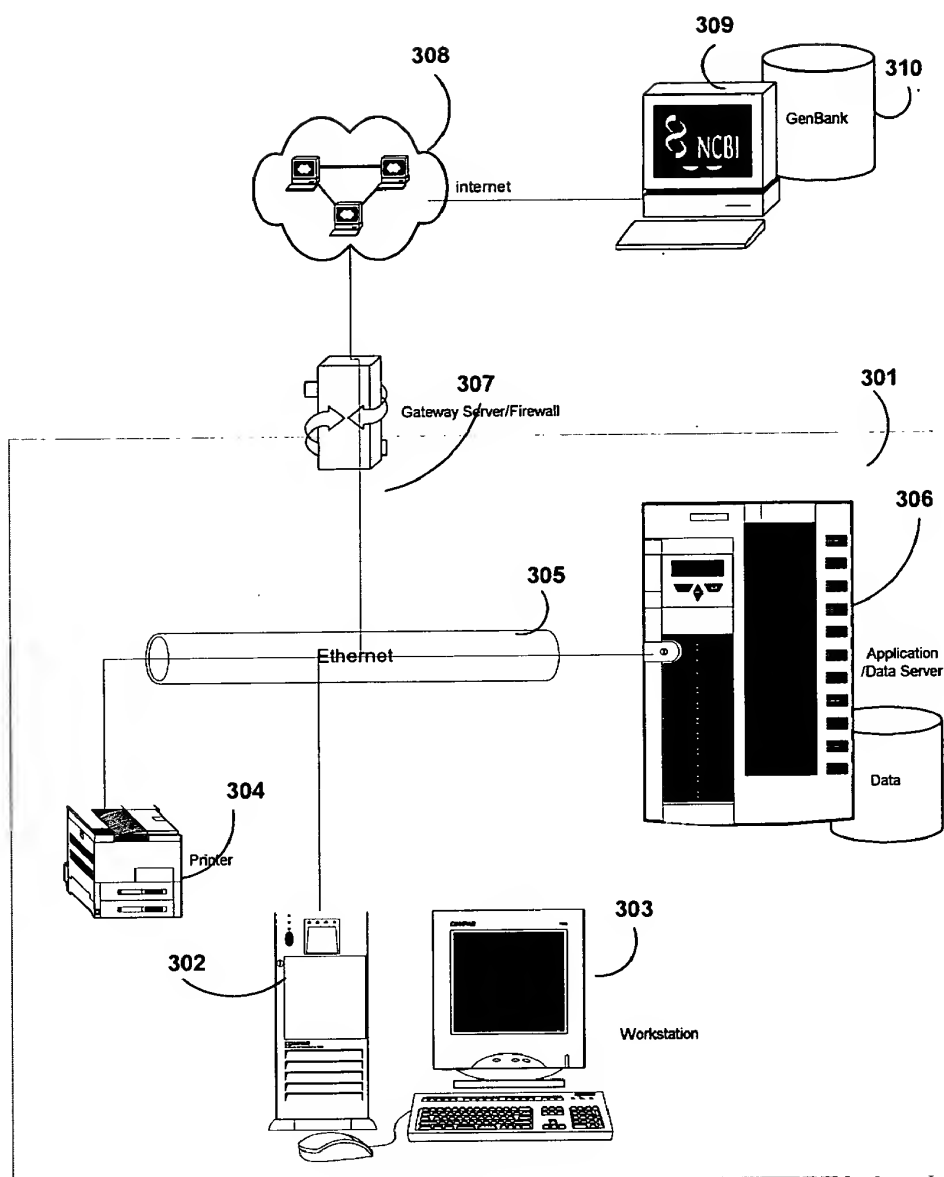


FIGURE 3

1.05021" 492E8960

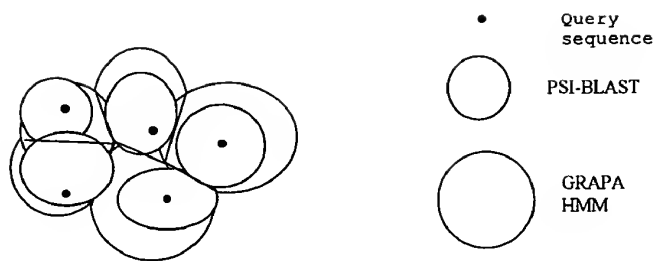
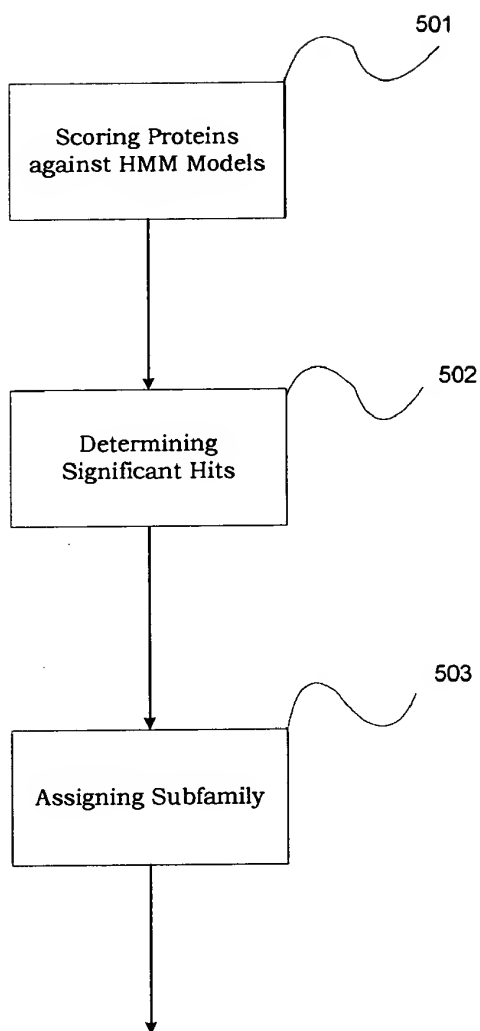
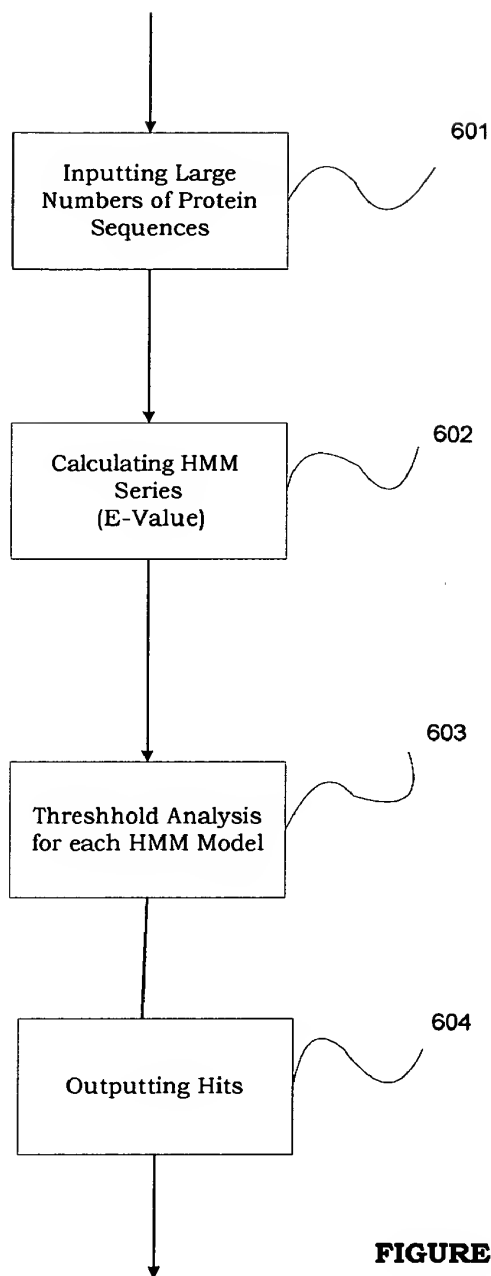


FIGURE 4

09683264-120501



**FIGURE 5**



**FIGURE 6**

09683264-4923960

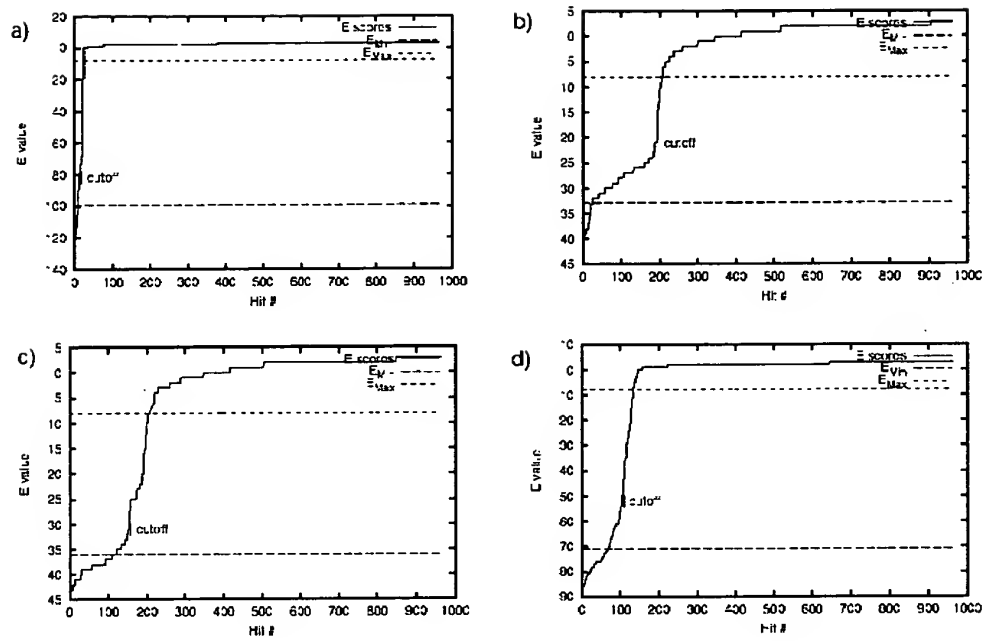
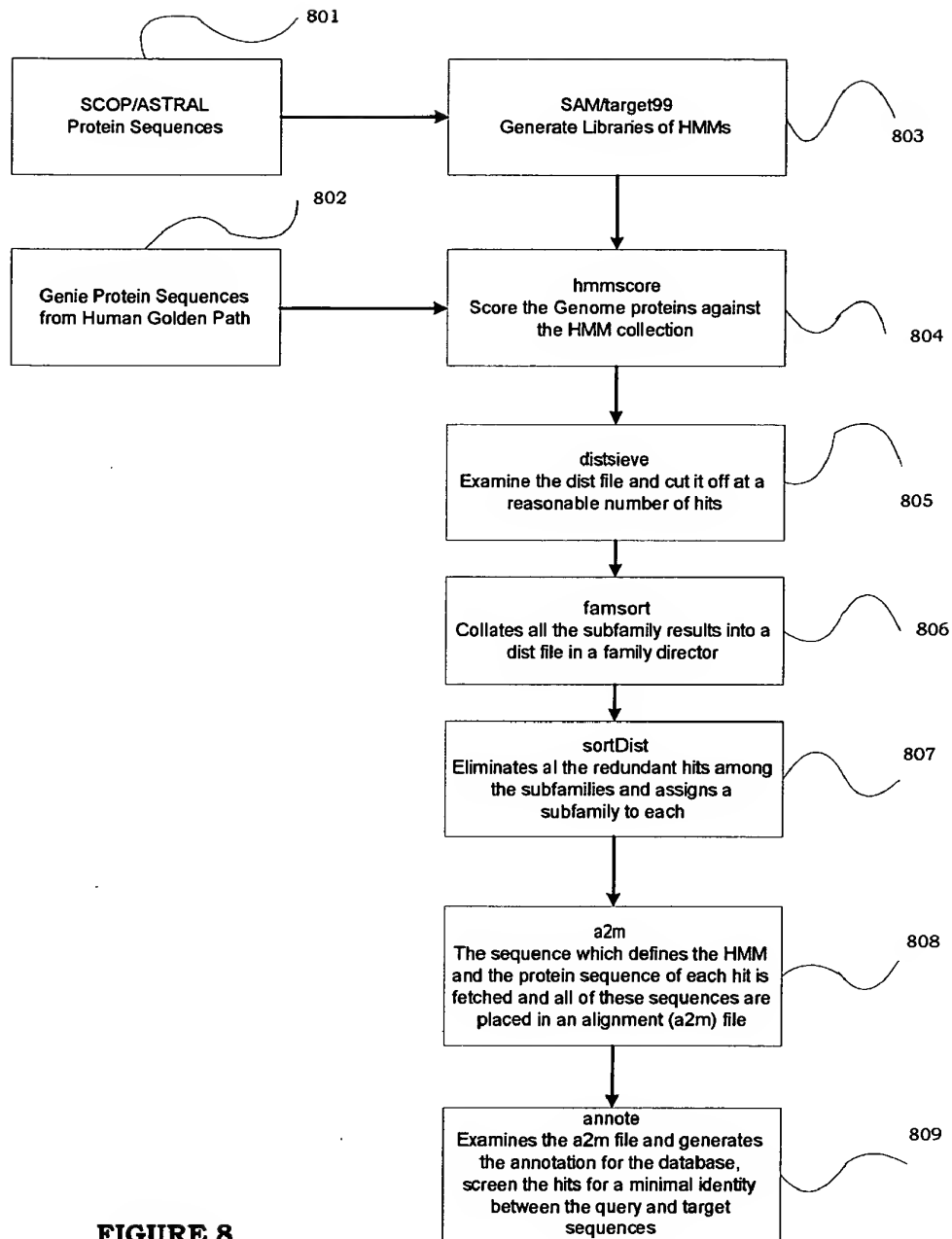


FIGURE 7



**FIGURE 8**



Alignment 1:

```

1>GRAPAHIT1 1 LLQDSLRLKDYRQCFCSDVALNEAVQQMVNSGEAAAKEEWVATVTQLL
2>lvhr 1 SVQDLNLLSDGSGCYSLPSQPCNE VTPRIYVGNASVAQD IPKLQKL

1>GRAPAHIT1 51 MGIEQALSADSSGSILKVSSSTTGLVRLTNNLIQVIDCSMAVQEEAKEPH
2>lvhr 51 GITHVLNAAEGRSFMHVNTNAN

1>GRAPAHIT1 101 VSSVLPWII LHRIIWQEEDTFHSLCHQQQLQNPAEEGMSETPMLPSSLML
2>lvhr 101 FYK DSGIT

1>GRAPAHIT1 151 LNTAHEYLGRRSWCCNSD GALLRFYVRVLQKELAASTSEDPHYKEELET
2>lvhr 151 YLG IKA NDTQEFN

1>GRAPAHIT1 201 ALEQCFYCLYSFSPKSKKARYLEEHS AQQVDLIWEDALFMFEYFKPKTLP
2>lvhr 201 LSAYFERAA

1>GRAPAHIT1 251 EFDSYKSTVTSADLANLLKRIATIVPRTERPALSLDKVSAYIEGTSTVEP
2>lvhr 251 DF IDQALAQKNGRVL VH

1>GRAPAHIT1 301 CLPEGADPPFPVNNELYYLLADYHFKNKEQSKAIKFYMHDI CIPNRFDS
2>lvhr 301 C REGYSRSPTLV IAYLMMR QKMDVKSALSIVRQNREIGPN DG

1>GRAPAHIT1 351 WAGMALARASRIQDKLNSNE LKS
2>lvhr 351 F LAQLCQLNDR LAKEGKLKP

Alignment 2:
1a17 PPADGALKRAEELKTQAN-----DYFKAKDYENAIKFYSQAIE
GRAPAHIT2 PLCKQALEDLKTS GHDHPDVATMLN I LALVYRDQNKYKEAAHLLNDALA
GRAPAHIT3 KDWK GALDAFSAVQDPHSRICFN----IGCMYTILKNMTEAEKAFTR SIN

1a17 L-----NPSNAIYYGNRSLAYLRTECYGYALGDATR-AIELDKKYIK
GRAPAHIT2 IREKTLGKDH PAVAA TLNNLAVLYGKRGKYKEAEP LCKR-ALEIREKVLG
GRAPAHIT3 R-----DKHLAVAYFQRGMLYYQTEKYDLAIKDLKEALIQLRGNQLI

1a17 GYYRRAASNMA-----LG-----KFRAALRDYET-----
GRAPAHIT2 KFHPDVAKQLSNLALLCQNQGKAEVEYYYRRALEIYATRL---GPDDP
GRAPAHIT3 DYKILGLQFKLFACEVLNIAFMYAKKEEWKAEQ LALATSMKSEPRHS

1a17 -VVVKVP-----HDKDAKMKYQECNKIVKQKAF-----
GRAPAHIT2 NVAKTKNNLASCYLKQGYQDAETLYKEILTRAHEKEFGSVNGDNKPIWM
GRAPAHIT3 KIDKAMECVWKQKLYEPVVI PVGKLF RPNERQVAQLAKKDYL GKATVVAS

1a17 ---ERAIA-----GDEHKR-----SVVDSL DIESMTIEDEYS
GRAPAHIT2 HAEEREES-----KDKRRDSAPYGEYGSWKACKVDSPVTNTTLR
GRAPAHIT3 VVDQDSFSGFAPLQPQAAEPPRPKTPEIFRALEGEAHRVLF GFV

```

FIGURE 9

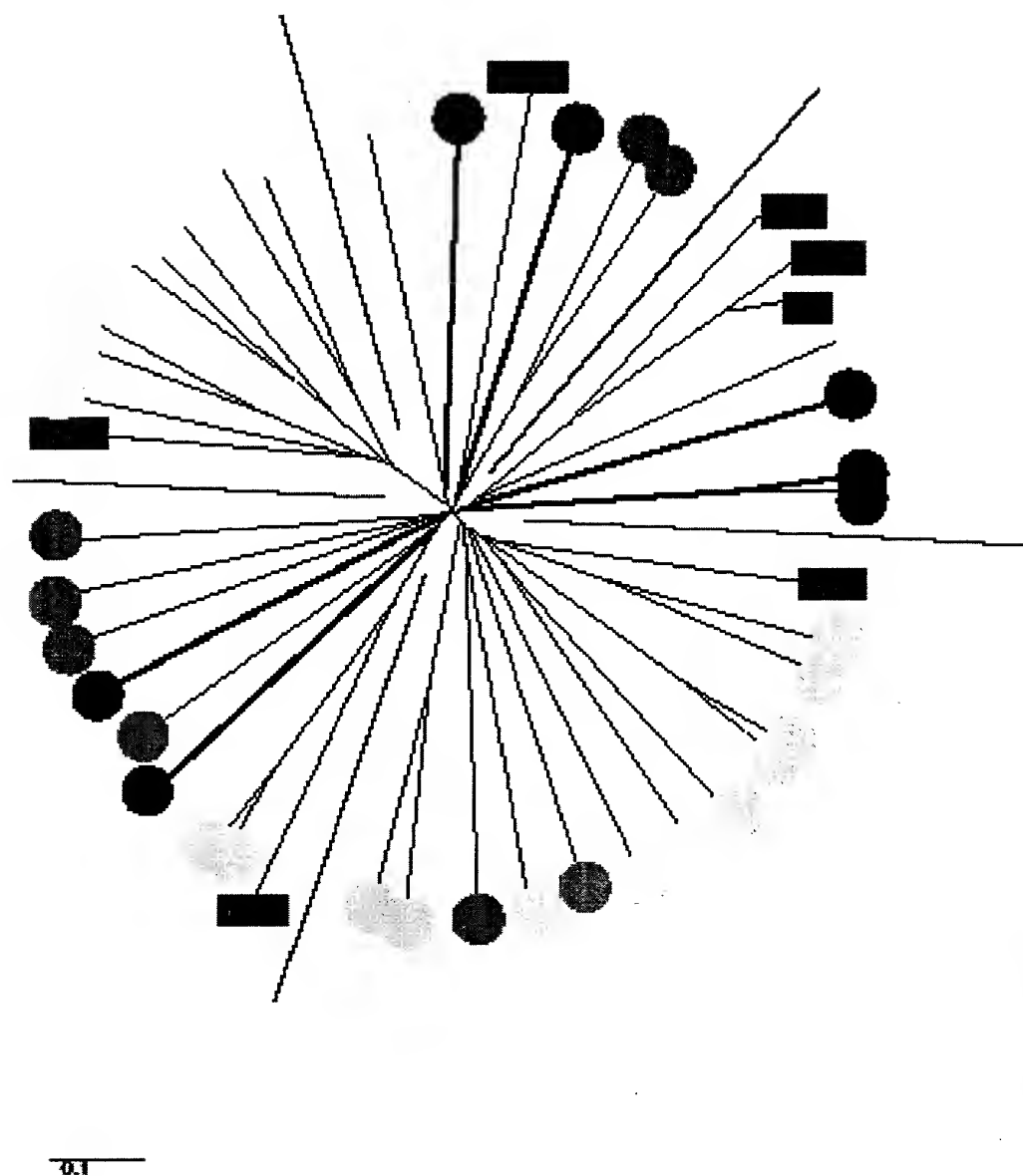


FIGURE 10